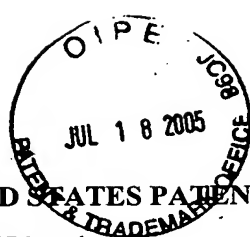


Docket No. 273999US0PCT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Martin SOHN, et al.

SERIAL NO: 10/539,802

GAU:

FILED: June 20, 2005

EXAMINER:

FOR: METHOD FOR THE CONTINUOUS PRODUCTION OF ISOCYANATES

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Corwin Paul Umbach

Norman F. Oblon

Registration No. 24,618

Corwin P. Umbach, Ph.D.

Registration No. 40,211

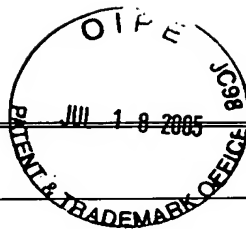
Surinder Sachar

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
272999US0PCTSERIAL NO.
10/539,802

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Martin SOHN, et al.FILING DATE
June 20, 2005

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|----------|----------------------|-------|--------------|-------------------------------|
| | AA | 6 576 788 | 06/10/03 | PENZEL et al. | | | |
| | AB | 3 321 283 | 05/23/67 | EWALD | | | |
| | AC | 3 226 410 | 12/28/65 | HETTICH et al. | | | |
| | AD | 3 381 025 | 04/30/68 | MITSUMORI et al. | | | |
| | AE | 3 544 611 | 12/01/70 | MICHELET et al. | | | |
| | AF | 3 574 695 | 04/13/71 | GRANT, Jr. et al. | | | |
| | AG | 2 683 160 | 07/06/54 | IRWIN | | | |
| | AH | 3 801 518 | 04/02/74 | IRWIN et al. | | | |
| | AI | 3 912 600 | 10/14/75 | HATFIELD, Jr. et al. | | | |

FOREIGN PATENT DOCUMENTS

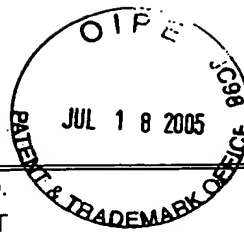
| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|-----|--------------------|----------|-------------------------------|-------------|----|
| | | | | | YES | NO |
| | AJ | 0 065 727 | 12/01/82 | EP (equivalent of US 4419295) | | NO |
| | AK | 0 716 079 | 06/12/96 | EP (equivalent of US 5599968) | | NO |
| | AL | 99/54289 | 10/28/99 | WO (with English abstract) | | NO |
| | AM | 844 896 | 09/15/52 | DE | | NO |
| | AN | 1 792 660 | 03/02/72 | DE (equivalent of GB 1238669) | | NO |
| | AO | 37 44 001 | 06/08/89 | DE (equivalent of US 5117048) | | NO |
| | AP | 29 50 216 | 06/26/80 | DE (equivalent of US 4289732) | | NO |
| | AQ | 300 168 | 05/27/92 | DD | | NO |
| | AR | 132 340 | 09/20/78 | DD | | NO |
| | AS | 1 146 872 | 04/11/63 | DE (equivalent of GB 901377) | | NO |
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| | AU | 1 175 666 | 08/13/64 | DE | | NO |
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| | AW | 0 928 785 | 07/14/99 | EP (equivalent of US 6225497) | | NO |
| | AX | 832 432 | 01/20/70 | CA | | NO |
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| | AAA | 2 058 032 | 05/31/72 | DE | | NO |
| | AAB | 2 153 268 | 05/03/73 | DE (equivalent of US 3947484) | | NO |
| | AAC | 29 08 703 | 09/11/80 | DE | | NO |
| | AAD | 1 233 854 | 02/09/67 | DE (equivalent of GB 1077031) | | NO |
| | AAE | 949 227 | 09/13/56 | DE (equivalent of US 3188337) | | NO |

☐ Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
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June 20, 2005

GROUP

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|-----|--------------------|----------|--|-------------|----|
| | | | | | YES | NO |
| | AAF | 949 228 / | 09/13/56 | DE (equivalent of US 2875225) | | NO |
| | AAG | 952 086 | 11/08/56 | DE | | NO |
| | AAH | 958 558 / | 02/21/57 | DE | | NO |
| | AAI | 1 768 439 | 11/18/71 | DE (equivalent of GB 1173890) / | | NO |
| | AAJ | 827 376 / | 02/03/60 | GB | | NO |
| | AAK | 27 47 524 | 05/03/78 | DE (equivalent of US 4096165) | | NO |
| | AAL | 96/16028 / | 05/30/96 | WO (with English abstract & equivalent of US 5925783) | | NO |
| | AAM | 198 17 691 / | 10/28/99 | DE | | NO |
| | AAN | 37 36 988 / | 03/23/89 | DE (equivalent of US 4851570) | | NO |
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| | AAS | 32 12 510 / | 11/11/82 | DE (with English abstract & equivalent of US 4422976 & FR 2503146) / | | NO |
| | AAT | 763 535 / | 12/12/56 | GB | | NO |
| | AAU | 1 811 609 | 07/10/69 | DE (equivalent of US 3781320 & US 3887167) | | NO |
| | AAV | 1 037 444 / | 08/28/58 | DE (equivalent of US 2822373) | | NO |
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| | AAZ | 60-010774 / | 01/19/85 | JP (English abstract only) | | NO |
| | BAA | 0 570 799 / | 11/24/93 | EP (equivalent of US 5449818) | | NO |
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| | BAH | 2 252 068 / | 05/10/73 | DE (equivalent of GB 1341311) / | | NO |
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| | BAJ | 33 23 882 | 04/12/84 | DE (equivalent of US 4549991) | | NO |
| | BAK | 24 04 773 / | 08/21/75 | DE (equivalent of US 3978105) | | NO |
| | BAL | 156 844 / | 12/01/04 | DE | | NO |

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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|--|-----|--|--|----------------------------------|--------------------------|--|--|
| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO. 272999US0PCT | SERIAL NO. 10/539,802 | | |
| LIST OF REFERENCES CITED BY APPLICANT | | | | APPLICANT Martin SOHN, et al. | | | |
| | | | | FILING DATE June 20, 2005 | GROUP | | |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | BAM | SIEFKEN, Von Werner. "Mono- und Polyisocyanate", Justus Liebigs Annalen der Chemie, vol. 562, pages 6-136 1948 | | | | | |
| | BAN | SCHAUERTE, K. et al. "Isocyanate", Polyurethane, Kunststoff Handbuch, vol. 7, pages 76-88 1993 | | | | | |
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| | BAP | TOSUN, Gueray. "A Study of Micromixing in Tee Mixers", Ind. Eng. Chem. Res., vol. 26, pages 1184-1193 1987 | | | | | |
| | BAQ | Ullmanns Enzyklopaedie der technischen Chemie, vol. 13, pages 351-353 1977 | | | | | |
| | BAR | KONSTANTINOV, I. et al. "Kinetics of the Reactions of 2,4-Tolylene- and 4,4'-Diphenylmethanediamine Dihydrochloride Crystals with Phosgene Dissolved in Chlorobenzene", Zhurnal Prikladnoi Khimii, vol. 49, no. 3, pages 596-599 1976 | | | | | |
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| | BAY | | | | | | |
| | BAZ | | | | | | |
| Examiner | | | | | Date Considered | | |
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U.S. PCT Application Serial No.: 10/539,802
Docket No.: 272999US0PCT

STATEMENT OF RELEVANCY

- 1) References AJ, AK have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References _____ have been cited in the corresponding _____ Search Report. A copy of these references is being submitted herewith.
- 3) References AB-AI, AL-BAR are discussed in the specification. A copy of these references is being submitted here with.
- 4) References _____ are additional prior art known to Applicant. A copy of these references is being submitted herewith.



LIST OF RELATED CASES

| <u>Docket Number</u> | <u>Serial or Patent Number</u> | <u>Filing or Issue Date</u> | <u>Patent Appl. Publication No.</u> | <u>Inventor/ Applicant</u> |
|----------------------|------------------------------------|---------------------------------|---|--------------------------------|
| PER CLIENT | 6,576,788 | 06/10/03 | | PENZEL, et al. |